WATER HEATING WORKSHEET DHW-1

Project Title ______________________ Date ______________

No. of Different Water Heater Types: _____ Total No. of Water Heaters: _____ Conditioned Floor Area (CFA): _____ft^2

Notes: For single family dwellings with multiple water heaters, also submit DHW-2A. For multi-family buildings, also submit DHW-2B.

Heater Type #_____ Data

A. **Water Heater Type** (check one)
- ___ Storage Gas
- ___ Large Storage Gas
- ___ Storage Electric
- ___ Storage Heat Pump
- ___ Instantaneous Gas
- ___ Instantaneous Electric
- ___ Indirect Gas

B. **Manufacturer** _______________

C. **Model No.** _______________

D. **Energy Factor** __________

E. **Gallons** __________

F. **Pilot Btu/hr** __________

G. **Thermal Eff.** __________

H. **Auxiliary Input** (check one or both)
- ___ Wood Stove
- ___ Solar

I. **Distribution System** (check one)
- ___ Standard
- ___ Hot Water Recovery (HWR)
- ___ Point of Use (POU)
- ___ Pipe Insulation (PI)
- ___ Parallel Piping (PP)
- ___ Recirculation: No Control
- ___ Recirculation: Timer
- ___ Recirculation: Temp.
- ___ Recirculation: Time/Temp.
- ___ Recirculation: Demand
- ___ HWR + Recirculation: Demand
- ___ PI + Recirculation: Demand

Energy Use Calculation

1a. Standard Recovery Load (from Table 6-5, DHW-2A or 2B) ______

1b. Distribution Credit/Penalty (from Table 6-6 or 6-7) ______

1c. Solar Fraction (from Table 6-9) ______

1d. Solar Energy Credit (1c x 1a) ______

1e. Adjusted Recovery Load (1a - 1b - 1d) ______

2a. Basic Energy Use (from Table 6-8, DHW-2B or 3) ______

2b. Wood Stove Boiler Credit Factor (from Table 6-10) ______

2c. Wood Stove Boiler Credit (2a x 2b) ______

2d. **Proposed Energy Use** (2a – 2c) [ ]

3. **Standard Energy Use** (from Table 6-5) [ ]

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2c. Wood Stove Boiler Credit (2a x 2b) ______

2d. **Proposed Energy Use** (2a – 2c) [ ]

3. **Standard Energy Use** (from Table 6-5) [ ]

4. For Prescriptive Compliance (one water heater per dwelling): Line 2d must not exceed Line 3